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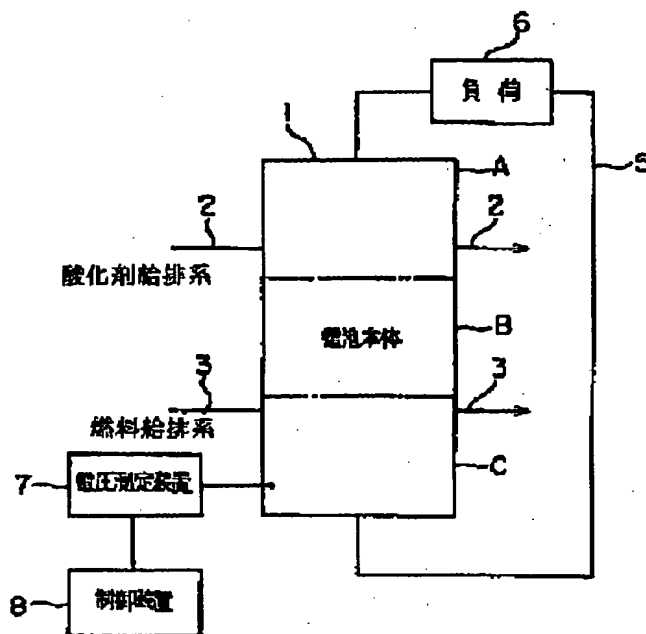
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TITLE : FUEL CELL PROTECTION METHOD,
PROTECTION DEVICE, AND FUEL
CELL DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To simplify the structure of a protection device and to lower its cost by monitoring output voltage of at least one cell belonging to the lower part of a fuel cell layered product in a layer-built type fuel cell by means of a voltage measurement device and stopping operation of the fuel cell by means of a controller when the output voltage decreases below a predetermined value.

SOLUTION: This fuel cell device is provided with a voltage measurement device 7 connected to at least one cell belonging to a lower part C of a fuel cell layered product in a cell main body 1 and measuring output voltage of this cell, and a controller 8 stopping operation of the fuel cell, when the voltage measured by the voltage measurement device 7 decreases below a predetermined reference value. When a the supply quantity of fuel gas is reduced abnormally, for example reduced to 87% in terms of a hydrogen using ratio, a cell voltage of the lower part C of the fuel cell layered product becomes 4 times or more of that in another part such as an upper part A, then this voltage is detected by means of the voltage measurement device 7, and the operation of the fuel cell is stopped by means of a controller 8.

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